

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-6. (Cancelled).

7. (New) A method of producing a soap product comprising:

providing facultative anaerobe effective microorganisms including at least lactic acid bacteria, yeast and photosynthetic bacteria or a fermented material containing facultative anaerobe effective microorganisms including at least lactic acid bacteria, yeast and photosynthetic bacteria;

providing a ceramic powder catalyst by forming a mixture of a clay and a condensed liquid of an antioxidant substance produced by effective microorganisms to form a mixture, aging the mixture and baking the mixture;

compounding the effective microorganisms and the ceramic powder catalyst and adding the compounded effective microorganisms and the ceramic powder to a soap product raw material and mixing; and

performing emulsification and saponification;

wherein the ceramic powder catalyst enhances a degree of saponification of the soap product during the production thereof; and

wherein after the soap product is introduced into a waste water system, the effective microorganisms provided thereby proliferate in the waste water system to enhance a decomposition rate of the soap product itself as well as a decomposition rate of indigenous pollutants in the waste water system to accelerate water purification.

8. (New) The method according to claim 7, wherein a hydrophobic antioxidant substance of the fermented material containing facultative anaerobe effective

microorganisms in is integrated into a fat of the soap product raw material for direct fermentation thereof.

9. (New) The method according to claim 7, further comprising a step of adding a fermented liquid containing a facultative anaerobe effective microorganisms including at least lactic acid bacteria, yeast and photosynthetic bacteria after the saponification step to provide a liquid soap product.